

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number	10813871
Filing Date	2004-03-31
First Named Inventor	Adam J. FERRARI
Art Unit	2163
Examiner Name	H. T. Vy
Attorney Docket Number	0109878.00141US1

U.S. PATENTS						Remove
Examiner Initial*	Cite No	Patent Number	Kind Code <sup>1</sup>	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
/HV/	1	4996642		1991-02-26	Hey	
/HV/	2	5706497		1998-01-06	Takahashi et al.	
/HV/	3	5787422		1998-07-28	Tukey et al.	
/HV/	4	5924105		1999-07-13	Punch, III et al.	
/HV/	5	6012066		2000-01-04	Discount et al.	
/HV/	6	6049797		2000-04-11	Guha et al.	
/HV/	7	6092049		2000-07-18	Chislenko et al.	
/HV/	8	6226745		2001-05-01	Wiederhold	

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number		10813871
Filing Date		2004-03-31
First Named Inventor	Adam J. FERRARI	
Art Unit	2163	
Examiner Name	H. T. Vy	
Attorney Docket Number	0109878.00141US1	

/HV/	9	6266199		2001-07-24	Gillis et al.	
/HV/	10	6266649		2001-07-24	Linden et al.	
/HV/	11	6424971		2002-07-23	Kreulen et al.	
/HV/	12	6429984		2002-08-06	Alex	
/HV/	13	6466918		2002-10-15	Spiegel et al.	
/HV/	14	6490111		2002-12-03	Sacks	
/HV/	15	6505197		2003-01-07	Sundaresan et al.	
/HV/	16	6539376		2003-03-25	Sundaresan et al.	
/HV/	17	6560597		2003-05-06	Dhillon et al.	
/HV/	18	6563521		2003-05-13	Perttunen	
/HV/	19	6618697		2003-09-09	Kantrowitz et al.	

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number		10813871
Filing Date		2004-03-31
First Named Inventor	Adam J. FERRARI	
Art Unit	2163	
Examiner Name	H. T. Vy	
Attorney Docket Number	0109878.00141US1	

/HV/	20	6628466		2003-09-30	Alex	
/HV/	21	6651058		2003-11-18	Sundaresan et al.	
/HV/	22	6697998		2004-02-24	Damerau et al.	
/HV/	23	6711585		2004-03-23	Copperman et al.	
/HV/	24	6735578	A1	2004-05-11	Shetty et al.	
/HV/	25	6778995		2004-08-17	Gallivan	
/HV/	26	6868411	A1	2005-03-15	Shanahan	
/HV/	27	6928434		2005-08-09	Choi et al.	
/HV/	28	6947930	A1	2005-09-20	Anick et al.	
/HV/	29	6978274		2005-12-20	Gallivan et al.	
/HV/	30	7062483	A1	2006-06-13	Ferrari et al.	

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number		10813871
Filing Date		2004-03-31
First Named Inventor	Adam J. FERRARI	
Art Unit	2163	
Examiner Name	H. T. Vy	
Attorney Docket Number	0109878.00141US1	

/HV/	31	7072902	A1	2006-07-04	Kleinberger et al.	
/HV/	32	7085771	A1	2006-08-01	Chung et al.	
/HV/	33	7092936		2006-08-15	Alonso et al.	
/HV/	34	7149732	A1	2006-12-12	Wen et al.	

If you wish to add additional U.S. Patent citation information please click the Add button.

Add

**U.S. PATENT APPLICATION PUBLICATIONS**

Remove

Examiner Initial*	Cite No	Publication Number	Kind Code <sup>1</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
/HV/	1	20020065857	A1	2002-05-30	Michalewicz et al.	
/HV/	2	20020083039		2002-06-27	Ferrari, et al.	
/HV/	3	20020095405		2002-07-18	Fujiwara	
/HV/	4	20030101187	A1	2003-05-29	Gaussier et al.	
/HV/	5	20030120630	A1	2003-06-26	Tunkelang	

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number		10813871
Filing Date		2004-03-31
First Named Inventor	Adam J. FERRARI	
Art Unit	2163	
Examiner Name	H. T. Vy	
Attorney Docket Number	0109878.00141US1	

/HV/	6	20040243554	A1	2004-12-02	Broder et al.	
/HV/	7	20040243557	A1	2004-12-02	Broder et al.	
/HV/	8	20050108212	A1	2005-05-19	Karimisetty et al.	
/HV/	9	20060031215	A1	2006-02-09	Pong Robert	

If you wish to add additional U.S. Published Application citation information please click the Add button

**FOREIGN PATENT DOCUMENTS**

Examiner Initial*	Cite No	Foreign Document Number <sup>3</sup>	Country Code <sup>2</sup>	Kind Code <sup>4</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T <sup>5</sup>
1 /HV/	1	0827063	EP		1998-03-04	Philips Electronics Nv		<input type="checkbox"/>
2 /HV/	2	1050830	EP		2000-11-08	Xerox Corp		<input type="checkbox"/>
3 /HV/	3	0918295	EP		1999-05-26	Yahoo		<input type="checkbox"/>
4 /HV/	4	0676705	EP		1995-10-11	US West Technologies, Inc.		<input type="checkbox"/>
5 /HV/	5	0795833	EP		1997-09-17	Mannesmann		<input type="checkbox"/>

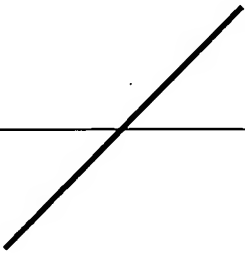

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number		10813871
Filing Date		2004-03-31
First Named Inventor	Adam J. FERRARI	
Art Unit	2163	
Examiner Name	H. T. Vy	
Attorney Docket Number	0109878.00141US1	

6 /HV/	6	0196064	EP		1986-10-01	Hitachi, Ltd.		<input type="checkbox"/>
7 /HV/	7	11250107	JP		1999-09-17	Adobe Systems Inc.		<input type="checkbox"/>
8 /HV/	8	11296547	JP		1999-10-29	Seiko Epson Corp		<input type="checkbox"/>
9 /HV/	9	09034901	JP		1997-02-07	Meidensha Electric Mfg. Co. Ltd.		<input type="checkbox"/>
10 /HV/	10	10134063	JP		1998-05-22	Nippon Electric Co.		<input type="checkbox"/>
11 /HV/	11	2297179	GB		1996-07-24	Nippon Telegraph and Telephone Corporation		<input type="checkbox"/>
12 /HV/	12	2293667	GB		1996-04-30	Internation Ltd.		<input type="checkbox"/>
13 /HV/	13	90/04231	WO		1990-04-19	Minnesota Mining and Manufacturing Company		<input type="checkbox"/>
14 /HV/	14	96/27161	WO		1996-09-06	Informations Medicales ET Statistiques		<input type="checkbox"/>
15 /HV/	15	97/36251	WO		1997-10-02	Critical Thought, Inc.		<input type="checkbox"/>
16 /HV/	16	98/20436	WO		1998-05-14	Natrificial LLC		<input type="checkbox"/>

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number		10813871
Filing Date		2004-03-31
First Named Inventor	Adam J. FERRARI	
Art Unit	2163	
Examiner Name	H. T. Vy	
Attorney Docket Number	0109878.00141US1	

17	/HV/	17	01/67225	WO		2001-09-13	Kanisa, Inc.		<input type="checkbox"/>
18	/HV/	18	02/097671	WO	A2	2002-12-05	Endeca Technologies, Inc.		<input type="checkbox"/>

If you wish to add additional Foreign Patent Document citation information please click the Add button

**NON-PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T5
/HV/	1	BEAUDOIN et al., "Cheops: A Compact Explorer For Complex Hierarchies", IEEE, pp 87-92 (1996) (no month)	<input type="checkbox"/>
/HV/	2	BIRD et al., "Content-Driven Navigation of Large Databases", The Institution of Electrical Engineers, 1996, pgs. 13/1 - 13/5 (no month)	<input type="checkbox"/>
/HV/	3	CHEN et al., "Internet Browsing and Searching: User Evaluations of Category Map and Concept Space Techniques", Wiley InterScience: Journal:Abstract, January 6, 1999	<input type="checkbox"/>
/HV/	4	Chen et al., "Internet Browsing and Searching: User Evaluations of Category Map and Concept Space Techniques," Journal of the American Society for Information Science, Vol 49, pp 582-603 (1998) (no month)	<input type="checkbox"/>
/HV/	5	Chen et al., "Object Signatures For Supporting Efficient Navigation In Object-Oriented Databases", Proceeding of the 32nd Hawaii International Conference on System Sciences, IEEE, pp. 502-507 (1997) (no month)	<input type="checkbox"/>
/HV/	6	CHEN et al., "Online Query Refinement on Information Retrieval Systems"" A Process Model of Searcher/System Interactions", MID Department, University of Arizona, pp. 115-133 (1990) (no month)	<input type="checkbox"/>
/HV/	7	DIAMANTINI et al., "A conceptual indexing method for content-based retrieval", Database and Expert Systems Applications. Proceedings Tenth Workshop on Florence Italy, (1999), pp. 192-197 (no month)	<input type="checkbox"/>

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number	10813871
Filing Date	2004-03-31
First Named Inventor	Adam J. FERRARI
Art Unit	2163
Examiner Name	H. T. Vy
Attorney Docket Number	0109878.00141US1

/HV/	8	European Search Authority, European Search Report for European Patent Application No. 01945997.3, dated May 23, 2007, 6 pages	<input type="checkbox"/>
/HV/	9	FUA et al., "Structure-Based Brushes: A Mechanism For Navigating Hierarchically Organized Data and Information Spaces", IEEE Transactions on Visualization and Computer Graphics, Vol. 6, No. 2, pp. 150-159, April-June 2000	<input type="checkbox"/>
/HV/	10	GARCIA-MOLINA et al., "The Query Compiler" Database System Implementation, 2000, Prentice Hall, Upper Saddle River, NJ, USA, XP002423997, pp. 329-364 (no month)	<input type="checkbox"/>
/HV/	11	GIL et al., "A Visual Interface and Navigator for the P/FDM Object Database", Department of Computing Science, University of Aberdeen, IEEE, pp. 54-63 (1999) (no month, year)	<input type="checkbox"/>
/HV/	12	HAN et al., "Join Index Hierarchy: An Indexing Structure For Efficient Navigation In Object-Oriented Databases", IEEE Transactions on Knowledge and Data Engineering, Vol. 11, No. 2, pp. 321-337, March/April 1999	<input type="checkbox"/>
/HV/	13	HEARST'S Fall 1999 Course, SIMS 202 Information Organization and Retrieval: <a href="http://www2.sims.berkeley.edu/courses/is202/f99/Lectures.html">http://www2.sims.berkeley.edu/courses/is202/f99/Lectures.html</a> (no month)	<input type="checkbox"/>
/HV/	14	HUA et al., "Object Skeletons: An Efficient Navigation Structure for Object-Oriented Database Systems", IEEE, pp. 508-517 (1994) (no month)	<input type="checkbox"/>
/HV/	15	International Searching Authority, International Search Report for PCT/03/31770, mailed June 29, 2004	<input type="checkbox"/>
/HV/	16	International Searching Authority, International Search Report for PCT/US2006/043538, mailed 3/26/07, 12 pages	<input type="checkbox"/>
/HV/	17	KUMMAMURU et al., "A Hierarchical Monothetic Document Clustering Algorithm for Summarization and Browsing Search Results", WWW2004, pp. 658-665, May 17-22, 2004	<input type="checkbox"/>
/HV/	18	MCENEANEY, John E., "Visualizing and Assessing Navigation in Hypertext", Hypertext 99, Darmstadt Germany, pp. 61-70 (1999)	<input type="checkbox"/>



**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number		10813871
Filing Date		2004-03-31
First Named Inventor	Adam J. FERRARI	
Art Unit	2163	
Examiner Name	H. T. Vy	
Attorney Docket Number	0109878.00141US1	

/HV/	19	MILLER, Renee J., "Using Schematically Heterogeneous Structures", Department of Computer and Information Science, Ohio State University, 1998, pp. 189-200 (no month)	<input type="checkbox"/>
/HV/	20	Pollitt A.S., "Intelligent Interfaces to online Databases", Expert Systems for Information Management, Vol. 3, No. 1, pp. 49-69, 1990 (no month)	<input type="checkbox"/>
/HV/	21	POLLITT et al., "Faceted-Classification as Pre-Coordinated Subject Indexing: Multi-Dimensional Searching for OPAC Users", Oslo College, 6-7 May 1998	<input type="checkbox"/>
/HV/	22	RAMASWAMI et al., "Navigating a Protection-Engineering Data Base", IEEE, pp. 27-32, April 1989	<input type="checkbox"/>
/HV/	23	TU et al., "Agent Technology for Website Browsing and Navigation", Proceedings of the 32nd Hawaii International Conference on Systems Sciences", IEEE , pp. 1-10, 1999 (no month)	<input type="checkbox"/>
/HV/	24	TURINE et al., "A Navigation-Oriented Hypertext Model Based on Statecharts", Hypertext 97, Southampton UK, 1997 (no month)	<input type="checkbox"/>
/HV/	25	VELEZ et al., "Fast and Effective Query Refinement", SIGIR 1997, pgs. 6-15 (no month)	<input type="checkbox"/>
/HV/	26	Weiland et al., "A graphical query interface based on aggregation/generalization hierarchies," Information systems, Vol. 18, No.4, pp. 215-232, (1993) (no month)	<input type="checkbox"/>
/HV/	27	XIONG et al., "Taper: A Two-Step Approach for All-Strong-Pairs Correlation Query in Large Databases", IEEE Transactions on Knowledge and Data Engineering, Vol. 18, No. 4, April 2006, pgs. 493-508	<input type="checkbox"/>
/HV/	28	YOO et al., "Towards A Relationship Navigation Analysis", Proceedings of the 32nd Hawaii International Conference on System Sciences", IEEE , pp.1-10, (2000) (no month)	<input type="checkbox"/>

If you wish to add additional non-patent literature document citation information please click the Add button

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

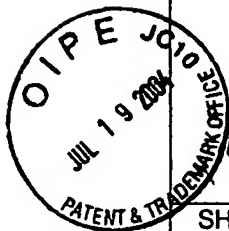
Application Number	10813871
Filing Date	2004-03-31
First Named Inventor	Adam J. FERRARI
Art Unit	2163
Examiner Name	H. T. Vy
Attorney Docket Number	0109878.00141US1

**EXAMINER SIGNATURE**

Examiner Signature	/Hung Vy/	Date Considered	12/04/2007
--------------------	-----------	-----------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> See Kind Codes of USPTO Patent Documents at [www.USPTO.GOV](http://www.USPTO.GOV) or MPEP 901.04. <sup>2</sup> Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>3</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>4</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>5</sup> Applicant is to place a check mark here if English language translation is attached.



WILMER CUTLER PICKERING HALE AND DORR LLP SUBT. FORM PTO-1449				DOCKET NUMBER 109878.141	APPLICATION NUMBER 10/813,871
INFORMATION DISCLOSURE IN AN APPLICATION (USE SEVERAL SHEETS IF NECESSARY)				APPLICANT Ferrari et al.	
				FILING DATE March 31, 2004	GROUP ART UNIT 2171
SHEET	1	OF	3		

U.S. Patent Documents						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/HV/	5,418,948	5/1995	Turtle	395	600	
/HV/	5,644,740	7/1997	Kiuchi	395	357	
/HV/	5,715,444	2/1998	Danish et al.	395	604	
/HV/	5,768,578	2/1995	Kirk et al.	395	611	
/HV/	5,983,219	11/1999	Danish et al.	707	3	
/HV/	5,983,220	11/1999	Schmitt	707	5	
/HV/	6,094,650	7/2000	Stoffel et al.	707	3	
/HV/	6,167,397	12/2000	Jacobson et al.	707	5	
/HV/	6,260,008	7/2001	Sanfilippo	704	9	
/HV/	6,356,899	3/2002	Chakrabarti et al.	707	5	
/HV/	6,418,429	7/2002	Borovoy et al.	707	3	
/HV/	6,424,983	7/2002	Schabes et al.	707	533	
/HV/	6,480,843	11/2002	Li	707	5	
/HV/	6,483,523	11/2002	Feng	345	745	

Foreign Patent Documents						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
						YES NO
/HV/	0 694 829 A1	1/1996	EP			
/HV/	0 694 829 B1	5/2002	EP			

Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)		
/HV/A1	Agosti, M., et al., "Issues of Data Modelling in Information Retrieval," <i>Electronic Publishing</i> , Vol. 4 (4) pp. 219-237 (1991). ( <del>no month, day</del> )	
/HV/A2	Allen, R.B., "Two Digital Library Interfaces That Exploit Hierarchical Structure," <i>Electronic Publishing</i> , (1995). ( <del>no month, day</del> )	
/HV/A3	Allen, R.B., "Retrieval From Facet Spaces," <i>Electronic Publishing</i> , Vol. 8 (2&3), pp. 247-257 (1995). ( <del>no month, day</del> )	

EXAMINER /Hung Vy/	DATE CONSIDERED 01/23/2008
EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MPEP § 609: Draw Line through citation if not conformance and not considered. Include copy with next communication to applicant.	

WILMER CUTLER PICKERING HALE AND DORR LLP SUBT. FORM PTO-1449				DOCKET NUMBER 109878.141	APPLICATION NUMBER 10/813,871
INFORMATION DISCLOSURE IN AN APPLICATION  (USE SEVERAL SHEETS IF NECESSARY)				APPLICANT Ferrari et al.	
				FILING DATE March 31, 2004	GROUP ART UNIT 2171
SHEET	2	OF	3		

U.S. Patent Documents						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/HV/	2001/0044758	11/2001	Talib et al.	705	27	
/HV/	2001/0044837	11/2001	Talib et al.	709	219	
/HV/	2001/0047353	11/2001	Talib et al.	707	3	
/HV/	2001/0049674	12/2001	Talib et al.	707	1	
/HV/	2001/0049677	12/2001	Talib et al.	707	3	
/HV/	2002/0091696	7/2002	Craft et al.	707	10	
/HV/	6,035,294	3/2000	Fish	707	2	

Foreign Patent Documents							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
/HV/	WO 00/36529	6/2000	PCT				
/HV/	WO 01/67300	9/2001	PCT				

Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)		
/HV/	A4	Baeza-Yates, et al., "New Approaches to Information Management: Attribute-Centric Data Systems" <i>Proceedings Seventh International Symposium on String Processing and Information Retrieval</i> , pp. 17-27 (2000). <del>(no month)</del>
/HV/	A5	Hearst, M., et al., "Cat-a Cone: An Interactive Interface for Specifying Searches and Viewing Retrieval Results Using A Large Category Hierarchy," <i>Ann. Int. ACM-SIGIR Conf. On Res. And Dev. In Information Retrieval</i> , pp. 270-279 (1993). <del>(no month,</del>
/HV/	A6	Pedersen, G.S., "A Browser For Bibliographic Information Retrieval Based On An Application Of Lattice Theory," <i>Proc. of the Ann. Int. SCM SIGIR Conference on Res. And Dev. In Information Retrieval</i> , pp. 270-279 (1993). <del>(no month,</del>
/HV/	A7	Pollitt, et al., "HIBROWSE For Bibliographic Databases," <i>Journal of Information Science</i> , Vol. 20, (6), pp. 413-426 (1994). <del>(no month, day)</del>
/HV/	A8	Pollitt, et al., "View-Based Searching Systems- Progress Towards Effective Disintermediation," <del>(no month, day)</del>

EXAMINER /Hung Vy/	DATE CONSIDERED 01/23/2008
-----------------------	-------------------------------

EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MPEP § 609: Draw Line through citation if not conformance and not considered. Include copy with next communication to applicant.

WILMER CUTLER PICKERING HALE AND DORR LLP SUBT. FORM PTO-1449				DOCKET NUMBER 109878.141	APPLICATION NUMBER 10/813,871
INFORMATION DISCLOSURE IN AN APPLICATION  (USE SEVERAL SHEETS IF NECESSARY)				APPLICANT Ferrari et al.	
				FILING DATE March 31, 2004	GROUP ART UNIT 2171
SHEET	3	OF	3		

		Online Information Meeting Proceedings, pp. 433-445 (1996).
/HV/	A9	Story, G. A., et al., "The RightPages Image-Based Electronic Library for Alerting and Browsing," <i>Computer</i> , Vol. 25(9), pp. 17-25 (1992). <del>(no month, day)</del>
/HV/	A10	Yahoo!, Copyright 1999 Yahoo! Inc., <del>(no month, day)</del> < <a href="http://web.archive.org/web/19991116151212/http://www.yahoo.com/">http://web.archive.org/web/19991116151212/http://www.yahoo.com/</a> >
/HV/	A11	PriceSCAN.com, Your Unbiased Guide to the Lowest Price on Books, Computers, Electronic..., Copyright 1997-1999, <del>(no month, day)</del> < <a href="http://web.archive.org/web/19991117123352/http://www.pricescan.com/">http://web.archive.org/web/19991117123352/http://www.pricescan.com/</a> >, pages 1-8

EXAMINER  /Hung Vy/	DATE CONSIDERED 01/23/2008
EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MPEP § 609: Draw Line through citation if not conformance and not considered. Include copy with next communication to applicant.	